



Celebrating 50 Years 1947-1997

BULLETIN

No. 8

September 1997

Next Meeting

7:30 PM, Thursday, September 10th at
Jun's Electronics, 5563 Sepulveda
Blvd. (Exit the San Diego Fwy (405)
at Jefferson and proceed east to
Sepulveda Blvd.)

Surprise Program!

Remember how we patiently waited for Chris, ZS8IR to appear from Marion Island? We sympathized as he struggled with his key, with his Rhombic, with his chores on that remote weather station. For many, it was the last one for the honor roll.

Wheels are turning to bring Chris to our September Meeting! It will be his first appearance in the US and a chance to meet this brave and adventurous fellow.

(See "Programs," Page 2)

Summer Soirée at W6YA

The Open House at W6YA, sponsored by the San Diego DX Club drew a crowd of great and near-great DX'ers, among them, Dick Norton, N6AA, Jim Neiger, N6TJ (ZD8Z), Ollie, W6NV (SU2MT) and many others. Who was there and what did they wear? Did the Leucadians meet the deserving at the top of the hill? See Pages 8 and 9.



Heyn: "Reports of My Demise are Greatly Exaggerated."

(See page 6)

Powerhouse DX'er Eaten by Pet Anaconda

(Also on page 6)

Freeway Lithotripsy

Special Medical Report

Mona M. left her home in Monrovia very early on a Monday morning. Her surgery was scheduled for 7:00am. It would be a simple procedure, kidney stones. It would relieve the sharp, piercing pain. Nonetheless, Mona was nervous.

Her husband, Floyd, pointed the Cressida into the traffic on South Main. As they came to a stop light, it began, an imperceptible vibration that rippled the Sanka in Floyd's coffee cup. As a red Mustang approached, the vibration increased, a reoccurring low-frequency wave, inaudible components of percussion that are felt,



See "Gallstones" (Page 5)

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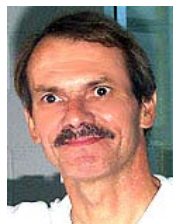
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1997 Programs

by Will Angenent, KN6DV



First of all thanks to Bob, K6ZZ for the interesting antenna software presentation. I know he did a great job for Larry, K6RO in developing his new 10/

15 meter beam.

Thank you to Dan W7RF for opening the room so we could get our equipment for the presentation.

The raffle was wonderful again lots of tickets sold so that means more prizes this month.

If everything works out, we have a great program coming up with a "first in the USA" presentation of Marion Island by ZS8IR himself. This all is still hanging in the air and Art W6XD is working hard on this one. It will be a surprise.

Also we might have Vince, K5VT giving us a full report from the ARRL DXAC. I know a lot of us have been waiting to hear from him. This will be the chance to ask him questions about the DXAC.

If this program goes as planned, it will be "standing room only." If the air-conditioning is working we will be able to handle this.

We will meet again at Shakey's Pizza before the meeting, I will be there around 5:30 p.m.

The raffle prizes will be excellent this month, I have not shopped around for our "grand prize" but I can assure you it will be worth while.

Congratulations to Harvey for his new call W8DX, he has to tell us all about this one.

Hope to see you all at the meeting to show ZS8IR what the SCDXC is!

...Will, KN6DV



Stacked Antennas? NO! Stacked QST

by Dan Magro, W7RF

What's in 'em? Our history, who we are (or were), a snapshot in time. Where were you in....oh, let's say December 1957? I was 4 Months old. (I'm sure I was thinking of antennas in the womb!) Follow along with me as I peek beneath the cover and see what we were all thinking about:

It seems we were all using (or did Collins WISH we were) a KWS-1 KW transmitter and the venerable 75A4 receiver. It must be the best, Ted Henry (W6UOU) himself posed in his ad with a set of them. Bill Halligan was busy producing the soon to be popular HT-32 with the post war 6146 finals and matching SX-101 receiver, which were a slightly cheaper



alternative. National was sporting their NC-300, and who was this "Drake" company with the 1A? Up for mobile? Put the KWM-1 and a Master Mobile antenna in the Chevy.

Many ads had the picture of the proprietor in them. I suppose if we saw who we were dealing with it would be easier to send that check. How about the time payment plan? The Globe Champ 300 was only \$25.14 a month. That system is called a credit card now.

We were fascinated by the Russians with Sputnik-1, evidenced by all the construction articles on converters and antennas for listening to the little drone. Speaking of construction, we expected (and helped) our novices BUILD their own transmitters. Lew McCoy shows us a simple 1 tube 3 bander. (1997 note: hold the soldering iron by the COLD end!)

There sure were a lot of us working in radio related manufacturing, many ads listed who among them had a callsign. Eimac showed 106 hams working for them at the time!

I think we were healthier then because the silent keys only numbered 23. You notice it doesn't say silent microphones, we all knew our common language.

In the "strays" section Katashi Nose KH6IJ (one to be missed!) had 200 navy knobs free for the asking (well he did mention he'd like an SASE with 6 cents postage).

Remember when International crystal made those neat little board kits? The T-12 80/40 model was described here.

There was the discussion about how that new improvement, the Product Detector was significantly better than the diode and bfo for ssb. SSB! I'm gonna duck when I mention SSB, there were the wars to be remembered. AM was king but getting gray and long in the tooth, ripe for coup.

W6NFH/M built a crystal controlled transmitter using a PAIR of 813's in the trunk. He remarks "around town I remove one 813 for only 300 watts out"! Don't tell him he's anything less than Q5 or he'll plug in the



(Continued on Page 5)

MINIPROP PLUS Predictions

by Shel, W6EL



These MINIPROP PLUS predictions for the five prime HF bands show the times when propagation is expected to be best from Los Angeles to several locations that are expected to be active during the coming month. Other times are possible, but with weaker signals or lower probability. Openings are not expected on bands that are not listed. A solar flux of 80 corresponding to a sunspot number of 23, and an average geomagnetic field are assumed. Sunrise/sunset times are at the DX location. All times are UTC.

DX Location:

CU Azores - to 9/15
Beam 56 degrees
Sunrise/sunset (on 9/11) 0734/2003

VK9W Willis - 9/12 to 9/24
Beam 257 degrees
Sunrise/sunset (on 9/18) 1956/0752

5H Tanzania - 9/16 to 9/29
Beam 46 degrees
Sunrise/sunset (on 9/23) 0324/1524

ZK1 North Cook - 9/20 to 9/27
Beam 229 degrees
Sunrise/sunset (on 9/24) 1628/0428

KH7 Kure - 9/26 to 10/3
Beam 281 degrees
Sunrise/sunset (on 9/30) 1749/0536

Band/Best Times:

80: 0300-0730.
40: 0100-0830.
20: 2230-0030.

80: 0900-1330.
40: 0730-1430.
20: 0530-0630 and 1500-1600
15: 2030-0330.

80: Around 0300.
40: 0200-0330.
Long path around 1430.
20: 2330-0100 and around 0400.
Long path 1430-1630.
15: 1700-2400.

80: 0630-1300.
40: 0500-1400.
20: 0300-1130.
15: 1630-0400.
10: 1800-0200.

80: 0730-1330.
40: 0600-1400.
20: 0300-0530.
15: 1930-0230.

QSL Corner

by Al, NS6B

3W6KA Via JR2EZD, Hiro,
Box 2659, Vientiane, Laos

4XIFV Via Dave Franklin, Box
10312, Jerusalem, Israel
91102 (Note: K1FJ is not
manager.)

8P9JA Via K4MA (Old Call -
KA4MJA) James Parnell,
1417 - 6 Azalea Rd.,
Mobile, AL, 36609

9K6POW Via 9K2RA

9M600 Via N200

9V1AG Via Robert Limb,
1 Tanjong Rhu Rd.,
Box, 5004, 508988
Singapore

AH8A Via AC7DX, Ron
Lago, Box 25426,
Eugene, OR 97402

BY4HJT Via Harbin Institute of
Technology, BOX 1020,
Harbin City, 150001, China

DA0SBB Via DL1JGP

EK6GC Via Robert Grigoryan, Box
25, Charevcavan, Armenia
378562

EM5HQ Via V.F. Latyshenko, YA
4850, Zaporozhe, 33018,
Ukraine

ER27A Via ERIDA

HL0BDU/4 Via Byung Kook Hwang
Donga University, San 840
Hadandong Sahaku, Pusan
604 - 714, So. Korea

HL0Z/4 Via DS4CNB

HR6XX Via CX3CE

J41WCA Via SV1BSX

OD5PY Via KU9C

OY4TN Via OY6FRA

RZ0LWA Via UW0MF

T33JH Via Jack D. Hayden, Box
249, Ryde, 2112, N.S.W.,
Australia

VP8CTR Via DL5EBE

VR97LC Via Box 89381, Hong
Kong, P.R.C.

X5SO Via YU1KN

YU1XX Via YL3AF, Uldin Silkinsh
Box 3, LV - 4200, Valmera,
Latvia Via Finland

ZD9IL Via ZS5BBO, Edwin
Musto, Box 211032, Bluff
4036, So. Africa

ZF2DN/ZF8 Via KP4AM

ZF2MD/8 Via N91TF

ZL80Y Via ZL2DX

ZZ2Z Via AC7DX Ron Lago,
Box 25426, Eugene, OR
97402

Dot... dot... dot...

By Guglielmo Pookah, E1EIO



Is it true that **Larry, K6RO** redesigned his 204BA into a 40 Meter dipole? "Yes, I'm wondering about it," said **Larry**, "but the computer said I'd get a lot more front-to-back."... **K6CH, Russ** modestly keeps quiet about his **impending marriage**. The Pook has learned that **Russ** is contemplating a honeymoon on **Clipperton Island**. "S'about time Clipperton was activated," **Russ** exclaimed, "got a real taste for **soft-shelled crabs**." ...

Pictured here is the winner of the annual **K6EXO-AD6SU**

"Who gets to wear the SCDXC

T- Shirt?" contest. "Next year," said **Harv**, "I'm **fighting Dirty!**"... **Chris, KG6AR** talking about an expedition to **Chad** for the ARRL DX contest. He is reported to have said: "Grace says I never take her anywhere."... Your **Pookster** was there when **W7RF** picked the meeting room lock last month. Ever wonder why those guys with the **pocket protectors** carry those **little screwdrivers**?... Seen in the **Survival Store: WU6T** stocking up for his trek to **San Clemente Island, NA-66**. "I know there's a **pigeon problem**," said **Rich**, "but I'm passing on the **flame thrower**."...



Talk about "**Well Heeled Subscribers**:"

One of them sent in this picture. Here you thought it was just a ploy to attract advertisers. See how you are? ... The **El Segundo Bison Lodge** has reported in its newsletter, the **Buffalo-down**, that the

Proud Bird is anticipating a **tofu shortage** and has requested anyone considering a **Christmas party** at the "bird" order the "**Vegan Bonanza Dinner**" three months in advance. You've been warned!

Dot's the lot...

...Gugli

(The *BULLETIN* is not responsible for Pookah's alleged observations. Gugli's portrait by 'Drew Duncan exclusively for the SCDXC *BULLETIN*.)

More Sexy QSL's

...and how to get 'em

Every day, the *Bulletin* office receives more sexy, erotic and unique QSL's. Keep 'em coming! We have been in the process of designing a certificate for our "Naked DXCC" award. We'll keep you posted. Here are some more



stations to work and QSL. Don't forget those IRC's!

Station:

Note:

NP2I	On the Rocks
TU2JL	Beautiful Smile
3D2CC	With Orchid
BV7FC	We've acquired more of Leo's artwork.

More pictures to come from our growing library. Can you stand it?

(Send your exotic QSL's to the *BULLETIN*. They will be returned dog-eared, spindled and mutilated.)

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COMMUNICATIONS
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Stacked Treasures

(From Page 2)

other one at a stoplight!

Remember Harvey's logs from W6VX? Well, Dave Atkins was busy modifying a Heathkit AT-1 with everything except.....well maybe I DO see a faucet.

How's DX? It's six pages long with reports of record sunspots from all over. Remember some of these long-lost prefixes? CR7, VQ4, VQ5, FF8, MP4. Back then KJ6BU KR6BW and KX6AF were NOT in California!

Flash! Korea is off the banned list! Did they mean North or South? However, Cambodia, Iran, Vietnam, and Indonesia were still a no-no.

Lots of pictures of Hams and their stations, but very curious the lack of coverage on how to press the mic button of an HT.

We all have a "library" at our homes, so dig out a few as-



sorted years of classic QSTs, stack them on the porcelain, and take a wonderful daydream vacation back when the magic of radio was new for you.

Freeway Lithotripsy

(From Page 1)

not heard. Floyd looked up at the light, hoping it would change before the Mustang came any nearer. It was too late. The full rap of the East Side Gang came to bear on the Cressida. Pulses cut through, travelling from the frame of the vehicle, through the toes of Mona's wedgies, clear up to her ears. She clamped her hands on them. It helped to dull the message, but not the Megabass that traveled by induction inside her skull.

Lloyd's hands gripped the wheel, hoping to stop the vibrations, looking helplessly over at Mona. Finally, the light changed and the Mustang pulled away, trailing the thrumming, rattling bass behind. Lloyd was late to the hospital because he had slowed down, trying not to catch up with the throbbing Mustang.

They wheeled Mona away to prepare her for her operation and Floyd found a chair in the waiting room. He began to doze behind the May Redbook.

Moments later, he abruptly awoke. Mona stood before him, purse in hand. "They're gone," Mona said, "the stones have disappeared."

In his follow-up exam, Mona's physician noted that she had experienced pain before leaving for the hospital. The stones had dissolved along the way. Floyd remembered the red Mustang just as they were leaving the office.

Dr. Felix Knopke earned his diploma in Grenada. He preferred research to seeing patients and his thick glasses had carved a considerable valley in the bridge of his nose. He read Mona's report with great interest. He took a

jar of kidney stones out of the lab refrigerator.

Clamping on a pair of ear protectors, Dr. Knopke slid a CD into the player.



Dr. Knopke prepares a volunteer gallstone patient.

At 236 decibels, the stones began to jump. Something was missing here, a combination of circumstances, certain kinds of music, the automotive environment, exhaust fumes.

Presently, there are research plans that will place mid-sized Japanese vehicles on the streets of Los Angeles containing one or more volunteer pa-

tients. Once Mona's good fortune has been duplicated, different combinations of vehicles and music may be tried. Knopke has obtained promising results from his album of "Riverdance," and a Heavy D CD.

"M.C. Hammer is planning a comeback with a pellet-busting retinue of hits from the 'Stones,'" Dr. Knopke reported.

Because approval by the F.D.A. is still pending, your physician, even Dr. Knopke cannot prescribe Freeway Lithotripsy for your gallstones. It is not wise to postpone treatment, either, but what would keep you from taking a detour down Van Nuys Boulevard on your way to the hospital?

(The above is for information purposes and cannot be verified by the BULLETin.)



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Reports of My Demise are Greatly Exaggerated ...Says Fried Heyn

Seen here in the truth-serum glare of the afternoon sun, Fried Heyn, WA6WZO, right, sets the record straight for *BULLETin* editor, W8DX. Last month, the *BULLETin* had reported that Heyn was about to relinquish his position as ARRL Southwestern Division Director.



"That is completely untrue," said Heyn, "I will serve as long as I am needed."

We apologize profusely to Fried. An investigation around the *BULLETin* offices failed to disclose the exact source of this disinformation.

Will the Real K6CH Please Stand Up? ...Misidentified Photo Revealed



Chuck Bailey, W7YU

Once and for all, we settle the misidentification problem concerning identical twins, W7YU, Chuck Bailey, and K6CH, Russ Davis. Doctors at the Goleta Humane Veterinary Hospital Lab stated: "The mix-up is understandable. There is a 67.5 percent probability that Davis and Bailey are genetically related." The *BULLETin* apologizes

to Chuck for calling him Russ and to Russ, who wasn't called.



Russ Davis, K6CH

Super-Operator N6RT Wins Plaque in CQWW

Doug, N6RT avoids autograph seekers at the W6YA open house. "I can understand it," commented an onlooker, "his admirers won't leave him alone."

"He's amazing," enthused Bill Albrant, K6CU, "he works all forty zones on SSB, turns around and works all forty again on CW! That's how he got the special award."

"He almost broke the computer," said Harv Shore who administers the packet spotting contest, "he's a spotting maniac!"

"I have permanently relocated into my ham shack and am renting out the other 9/10 of my house,"

Doug explained. A close friend said that the military has surgically implanted a transceiver and packet cluster terminal in Doug's head. "When I blow my nose," Doug confides, "I get the last twenty-five WWV reports."



Editor's Report



So it's 4:23 AM and I'm sitting here trying to figure out why I am now W8DX. I was N6HL for 20 years. Now I'm W8DX for two days. I've already accumulated a few nasty emails and 'phone calls. Seems the boys in "8" land don't appreciate a Hollywood weirdo appropriating their beloved "8."

I met Richard Cotton, W8DX in 1954. If ever there was a "face" to the Federal Communications Commission, it was this man: stern, imposing, black-suited. He collected the form 610's from a handful of quivering, fearful "civilians," and allowed the clattering paper tape machine to send a series of shrill "V's." "Hear it okay?" he would ask, sparing extra, inefficient words.

Cotton and another inspector visited Cleveland every three months. Twice I met him at the Federal Building in 1954. It was a cold, gray stone edifice. In the dark, paneled room, the windows were cranked wide to admit the thick, cool breeze off lake Erie. I remember worrying that the din of automobile horns and crowds of downtown shoppers below would drown out the thin whistle of thirteen words-per-minute.

Those who failed were issued a stamped, canceled form 610 as Cotton called their names in a nasal baritone. We sat and waited, staring at the man who shuffled the paper hand-to-hand, giving no clue. When my name was called, I marched to the front of the room, accepted my walking paper, continued into the cooler, marble hallway, where W8DX's voice echoed as he passed out the written exams.

The next time, I was well prepared. I emerged at the downtown station and had a few minutes for a cup of coffee at Fred Harvey's. I was well ahead of the machine that day. I sat quietly as

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Editor's Report

(Continued from Page 6)

several unfortunates accepted their canceled forms and shuffled into the marble hallway. I had finally made it to the written exam.

Five or six of us took shallow breaths in that deathly quiet room. Richard Cotton, a massive figure, moved with incredible quietude between the tables, caught our collective eye as he raised another window. One-by-one we laid our papers before him and moved out of the room into the noisy streets of Cleveland to await the tiny envelope marked "Federal Communications Commission, Washington, 25, DC."

Mine arrived in about five weeks: W8SLR. Years later, I learned that the stern examiner was a prominent and active amateur radio operator. Something very close and important to him is now mine. I will always see from afar that man at the window, leaning on the sill, arms folded across a starched, white shirt and suspenders, looking out over his small flock of inchoate radiomen with a pocket watch in his hand and an inscrutable smile on his face.

(Richard Cotton, W8DX died on July 29, 1995. He was ninety years old and had retired from the FCC in 1971. By the time I met him in that examining room, he had been employed by the government around thirty years. He was one of the first to work one hundred countries via satellite.)

The Deadline for the October
BULLETIN will be
SEPTEMBER 27
Please submit as early as
you can!

Packet Spot Iron Cage Free- For-All Derby

by Harvey Shore, K6EXO



Here are the scores for August. If your score is higher than your spots, you're posted some "rare" ones! If your

score is lower, you've spotted a "clunker" or two (at least, that's what the computer thinks.) Sorry, only dues-paying members can compete in this, the mother of all contests!

Spotter	Spots	Score
N6RT	354	370
K6YRA	66	76
W6LAX	68	67
WA6TLA	62	62
W1HIJ	60	59
AJ6A	53	48
N6KZ	41	34
W6KK	36	33
KR6C	34	31
K6LD	29	29
W6ZH	27	27
W6RT	29	22
WU6T	14	19
K6DU	19	18
N6UC	18	18
W6AUG	17	17
W6RW	17	17
W6BL	15	15
W6SR	9	9
N6HL	9	8
KJ6ZH	7	7
W6EJJ	7	7
K6RO	6	6
W6EA	6	6
N6IC	5	5
AC6RN	4	4
K6WS	3	3
KC6X	3	3
N6OU	3	3
N6RV	3	3
AC6SN	2	2
N6HC	2	2
W6AQ	3	2
WK6E	2	2
K5KT	1	1

K6FG	1	1
K6OHM	1	1
KN6DV	1	1
NQ6N	1	1
WA6WZO	1	1

(The Packet Derby automatically assigns points to stations spotting DX on the packet network. High-point winner will receive a prize...ed.)

Selbrede Presents Antenna Software

Despite problems presented by a lack of air conditioning and difficulty accessing presentation equipment, ex-president Bob Selbrede, W6ZZ, gave an informative overview of antenna modeling and design software.



It was a great tribute to the quality of Bob's presentation that the sweaty throngs showed rapt interest.

Selbrede revealed how it is possible to rebuild a commercial antenna optimizing it for gain, front-to-back or both.

Club Notes:

Thanks to Jun's for their donation of a major prize for "Old Timer's Night."



Welcome new members:

KR6Q, Tom, W6SMD, Fred and WA5VGI, Bill.

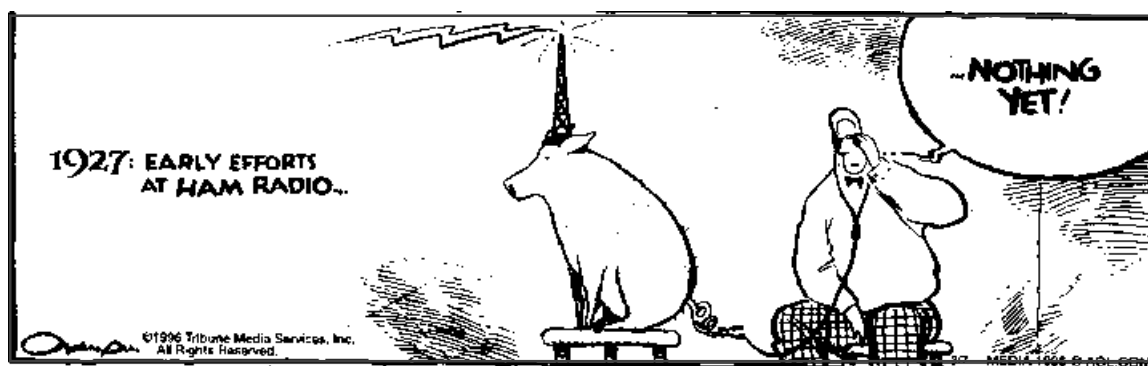
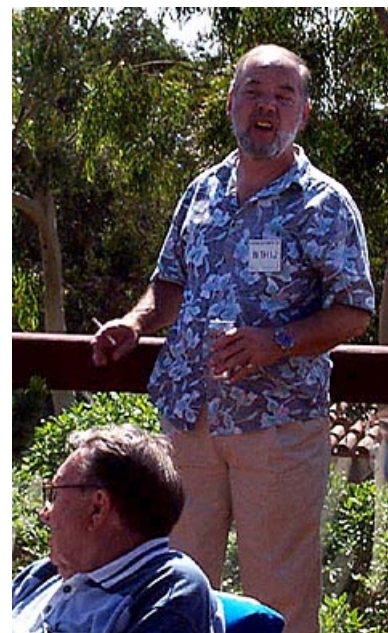
Photos from the W6YA Open House

Welcome to the summer festival at W6YA's manse overlooking the Pacific in Leucadia. Jim shares the hosting duties with the San Diego DX Club. The very bright sun made some contrasty photographs which may not reproduce well here. Be sure to check out the club web site to see them in color.

On the right, **Bill Scholz, W1HIJ**, below, **Jim, N6TJ**, the guy who hands out those Ascension Island Q's, much in demand on the island for his ability to fetch canned goods down from the uppermost shelves. On page 9, top row, left to right: **SCDXC Netmeister, Bruce Horn, WA7BNM**, wearing a bidirectional, digital shirt, and **SCDXC Treasurer, Rich, WU6T**. **WA6YOO** and **WA6MHZ** supervise the barbecue, and **Dick Norton, N6AA**, trying to digest the aforementioned. **K7JYO, San Diego DX Club president** stands at parade rest.

Next row down, **Terry Dubson, K6JL** of Escondido, who has photographed La Paz, Mexico from the boom of his forty meter beam. Terry has just told this to **K6XT**. **Mike, W6RW** and **KD6SC, Brian**, show off Vatican QSL's sent to W6YA after their visit. On the far right, **Bo, KB7VD** demonstrates how it is possible for him to support Jim's tower on his head. Unfortunately, everybody left before helping Bo take the tower off his head. 'Far as we know, he's still there. (Bo is a marine engineer from Sweden and is carrying out a work assignment in San Diego. Next row down, **W6KK, Charlie**, swaps tall tales with **Fred, K6SSS**. In the next picture, Fred is preparing to entertain with his beverage juggling act. You may remember Fred from the ad campaign in the Amateur Radio Press that showed him in jail. He never was in jail, but was illustrating the possibility if certain lawmaking got out of hand. Besides being an incredible powerhouse on 75 Meters, Fred is quite an amiable fellow. Here's a chance to examine that picture of Bo, KB7VD again.

Note that besides supporting Jim's tower with his head, Bo is also holding up Jim's house. Bottom row, "mein host" **Jim, W6YA**. Jim set out QSL cards from his Pacific adventures for the deserving. No dentistry, however. One of the most interesting things about Jim's setup is his two-element rotatable 80 Meter loop. So interesting, in fact, I forgot to take a picture of it. **Sanford, W6YY** discusses **Nietzsche** and Andre' Gide while waiting for his brandy to reach body temperature. **Ollie, W6NV**, looking a bit shady here, explains to W8DX for the umteenth time just why he is not in the **SU2MT** log. What patience! Some day that little sign-up book on Jim's porch is going to be worth a lot of money. Everyone always hates to leave and Jim has to flush out the stragglers with a fire hose. See you next summer, Jim!





Heard and Worked

by Mark Weiss, K6FG



Signals don't get to the sunny shores of Southern California like they get everywhere else. Sometimes, a band is open for just a few minutes. Sometimes, a rare

country appears at a crazy time or frequency. Here are selected reports from local stations. Send your report for September to the Editor.

<u>Date</u>	<u>Time</u>	<u>Band</u>	<u>DX</u>
80			
08/19	0313	80/CW	PJ8/DL5LYM
40			
08/11	0429	40/CW	CY0NCO
08/11	1316	40/CW	ZK1AAT
08/12	0421	40/CW	CY0NCD*
08/13	0509	40/CW	OX3DL
08/18	0401	40/CW	FS/DL8WAA
08/22	1343	40/CW	FT5ZG
08/23	1305	40/CW	FT5ZG
08/25	0535	40/CW	CX9AU
08/29	0251	40/CW	3B8FG
08/29	0317	40/CW	J6/PA3ERC
08/29	0332	40/CW	HR6XX
08/29	0812	40/CW	EM1HO
08/29	0823	40/CW	KH0/JA1YEM
08/29	1455	40/CW	DU7MHA
09/01	1337	40/CW	JG8NQJ/JD1
09/01	1422	40/CW	R1ANZ
30			
08/06	0350	30/CW	FW5IW
08/10	0629	30/CW	ZK1AAT
08/13	0311	30/CW	FP5AA
08/17	1534	30/CW	9M6OO
08/19	1224	30/CW	HR1LW
08/22	0420	30/CW	5X1P
08/24	0353	30/CW	UT5UIA
08/25	1247	30/CW	9M2OM/P
08/27	0313	30/CW	J6/PA3ERC
08/28	0255	30/CW	J6/PA3BBP
08/29	0310	30/CW	J6/PA3EWP
08/29	0755	30/CW	KH0/JA1YEM
09/02	0208	30/CW	9Y4/PA3EWP
20			
08/04	1507	20/SSB	EW2CR
08/04	2204	20/SSB	5H1FS*
08/05	0401	20/CW	4L3Y
08/05	0427	20/CW	JY9QJ
08/05	0435	20/CW	UT8IZ
08/09	1539	20/CW	HG5E

08/11	1432	20/SSB	9H6HIL*	08/17	1604	17/CW	J38AH
08/12	1423	20/SSB	9H1EL	08/19	1543	17/SSB	TA3BP
08/12	1431	20/SSB	VU2AVG	08/20	2118	17/SSB	7X5JF
08/13	0525	20/CW	HA/W0YR	08/21	1835	17/SSB	4X4FR
08/13	1512	20/CW	9A9A	08/21	1850	17/SSB	4X1MO
08/15	1415	20/SSB	9M6OO*	08/21	1854	17/SSB	4X4BL
08/17	0031	20/CW	OD5/9K2HU	08/23	1447	17/SSB	HV4NAC
08/17	1653	20/CW	9M2OM/P	08/23	1648	17/SSB	FP5KE
08/17	2031	20/CW	5X1Z	08/23	1651	17/SSB	A41LZ
08/17	2257	20/SSB	TR8IG	08/24	1554	17/CW	EM1HO
08/19	1118	20/SSB	9M6PO*	08/24	1614	17/CW	RA2FBC*
08/20	0345	20/SSB	A61AO	08/24	1620	17/SSB	4L3Y*
08/23	1507	20/SSB	OH0KMG	08/24	1754	17/SSB	4Z5IS
08/23	2050	20/CW	5X1Z	08/24	1804	17/SSB	EA8AMT
08/24	1640	20/TTY	BV7WB	08/24	1810	17/SSB	J6/PA3EWP
08/24	1906	20/CW	5X1Z	08/24	1946	17/CW	5B4/G3LNS
08/25	0304	20/SSB	9K2HN	08/24	2200	17/SSB	EI7BA
08/25	1419	20/SSB	3W6KA	08/26	1440	17/SSB	LX2LG
08/25	1419	20/CW	RX3AJ	08/26	1456	17/SSB	ES7FQ
08/26	1413	20/SSB	VU2PAI/50	08/27	1337	17/SSB	U5WF
08/28	1641	20/CW	RX3AJ	08/27	1348	17/SSB	J6/PA3BBP
08/28	2158	20/SSB	9X/RW3AH	08/28	1522	17/CW	EM1HO
08/29	0300	20/SSB	A41LZ	08/31	1508	17/CW	EA1EH
08/30	0004	20/SSB	TR8IG	08/31	1514	17/CW	G3ULN
08/30	2023	20/CW	JW/SM7NAS	08/31	1634	17/CW	OM5MF
08/31	0147	20/SSB	5A28	09/01	1441	17/SSB	4Z5IS
08/31	0427	20/CW	FK8GJ	09/01	1622	17/SSB	YL2DX
17				09/01	1801	17/SSB	R1FJR*
08/04	1545	17/CW	5B4/G3LNS	15			
08/08	1535	17/CW	KP3W	08/26	2007	15/SSB	SP2JKC
08/16	2133	17/CW	5B4/G3CNS	08/26	2008	15/SSB	S57ESG

(Continued on Page 11)

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Heard and Worked (Continued)

08/26	2009	15/SSB	GM3BCL
08/27	1957	15/SSB	IK4GRO
08/30	1844	15/SSB	CN8NK
08/30	2013	15/SSB	TL8JL
08/31	1547	15/CW	I4LCK
08/31	1512	15/CW	CO5HL
08/31	1904	15/SSB	ZD7HI*
08/31	1918	15/SSB	5X4F
08/31	1954	15/SSB	5X1Z
08/31	2007	15/SSB	5X1Z
08/31	2128	15/CW	5X1Z
08/31	2156	15/SSB	S92AT
09/01	2102	15/SSB	5A28

12

08/31	2049	12.SSB	ZP6VT
08/31	2142	12/CW	HK3DDD

10

08/17	0220	10/SSB	FO5QB
08/17	1954	10/SSB	ZP5CGL
08/17	2036	10/CW	LU3HIP
08/17	2043	10/SSB	J38AI
08/30	2131	10/SSB	CX1EU
08/30	2134	10/SSB	LU5HVM

* QSL Routes

5H1FS:	I4UFH
9H1HIL:	N2OO
9M6OO:	N2OO
9M6PO:	OH2BH
CY0NCD:	VA3NCD
R1FJR:	F5PYI
RA2FBC:	DJ1OJ
ZD7HI:	N2AU
ZK1AAT:	KQ2I

(Thanks to K6FG, W8DX,
WU6T, K6YRA)



Ham Puzzle

by Milt, W6RJO



We have a winner! He wrote:

"The alarm system is powered by the 'power supply' thru diode D1 for normal operation. When you have an AC power failure the battery now feeds the alarm thru diode D2. The battery is isolated from being overcharged by the power supply by diode D2 and diode D1 isolated the battery from discharging back thru the power supply. No current is drawn from the battery as long as the power supply voltage (as seen at the alarm system) is higher than the

battery voltage.

An improvement to this circuit would be to add two diodes in series between the Anode of D1 and the car battery + terminal. These two diodes would drop the voltage 1.4 VDC below (assuming silicon diodes) the 15 VDC of the power supply and provide a proper 'float' level voltage for the battery at 13.6 VDC thus eliminating the need for a separate 'trickle charger'.

Details include:

- 1) Power supply capable of the extra current to trickle charge the battery.
- 2) New diodes added capable of current to charge battery. "

*Thanks to **Dan, W7RF** for this elegant winning entry. Your prize is in the mail!*

Here is the September Puzzler. Good luck:

The recent Heard Island multi-operator dxpedition (VK0IR) logged about 80000 QSOs in 10 days (240 hours). The team averaged eight operators. If the dxpedition would have consisted of only one operator, it would have taken him 70 days to amass this many QSO's.

However, during any shift, the operators eye-ball QSO'ed each other for various reasons which cost them potential QSO's. How many did it cost them?



*(Send your solution
to the BULLetin
Editor, email, post,
FAX okay)*

Cut here

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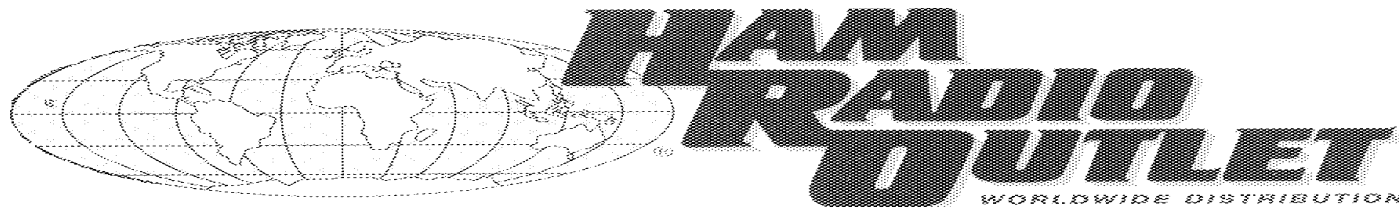
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